BRUHAT BANGALORE MAHANAGARA PALIKE

YALAHANKA ZONE

Name of Work:-Detailed Estimate forAnnual Maintenance and servicing of Crematorium and Zonal building CC camara and related accessories in ward no 7&3.

Budget Head .....

Division No..... Estimate No. 44/2021-22 For Rs. **700000.00**

Sl. No.	SR Page & SL No	Description of Work	Unit	Qty	Rate	Amount
1	58/10.5.9	Supplying, installation, testing & commissioning of 12V DC, AH batteries in poly propylene container for U.P.S. Sealed maintenance free batteries.150 AH capacity	Each	3	14100	42300.00
2	54/9.1	Supplying and drawing UTP-CAT 6E LAN cable.	Mt.	360.00	29.00	10440.00
3	2/1.1.1	Supplying heavy gauge PVC conduit pipe .....dia mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.19/20mm dia 2mm thick	Mt.	150	50.00	7500.00
4	64/12.3.3	Supplying of .....feet - PVC Batten with integrated LED tube .....W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition.LED light fighting 2x 4' - 20 /22 w	Each	10	625.00	6250.00
5	6712.8.4	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with W System Power consumption. LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source.LED Streetlight 90 Watts	Each	14	7160.00	100240.00

6	14.5	Fixing halogen/metal halide / SVL / IL / LED floodlight fitting over existing pole / wall ceiling including clamps, bolts, nuts and wiring using suitable capacity wires.	Each	14	175.00	2450.00
7	14.7	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps.	Each	10	110.00	1100.00
8	AR se(ele)p.r/578/21-22 dt 30.10.21	supply and fixing of 2 MP HDTVI/HDCVI Dome/Bullet Camera IP66 WHEATHER PROOF Make:Hikvision/CP Plus	Each	6	3106.50	18639.00
9	AR se(ele)p.r/578/21-22 dt 30.10.21	supply and fixing of 2 MP IP Network Dome/Bullet Camera IP66 WHEATHER PROOF Make:Hikvision/CP Plus	Each	6	12195.00	73170.00
10	AR se(ele)p.r/578/21-22 dt 30.10.21	supply and fixing of 16 channel DVR with VGA/HDMI out 2 USB port, RJ 45 Connectivity, Audio in/out up to 8 MP Support Make:Hikvision/CP Plus	Each	2	39117.00	78234.00
11	AR se(ele)p.r/578/21-22 dt 30.10.21	supply and fixing of 16 channel NVR with VGA/HDMI out 2 USB port, RJ 45 Connectivity, Audio in/out UP to 6 MP Support Make:Hikvision/CP Plus	Each	1	21015.50	21015.50
12	AR se(ele)p.r/578/21-22 dt 30.10.21	supply and fixing of 8 Amps 12 V Power Supply(SMPS) for Camera Make:ERD/CP Plus	Each	7	1457.00	10199.00
13	AR se(ele)p.r/578/21-22 dt 30.10.21	supply and fixing of 16 Amps 12 V Power Supply(SMPS) for Camera Make:ERD/CP Plus	Each	4	2761.00	11044.00
14	AR se(ele)p.r/578/21-22 dt 30.10.21	supply and fixing of 4 TB Hard Disk Survialance Make:Seagate/Western Digital	Each	1	18178.00	18178.00
15	AR se(ele)p.r/578/21-22 dt 30.10.21	supply and fixing of 16 port 10/100/1000 MBPS POE Switch Make:Tp link/Dlink/Secure eye	Each	1	21859.50	21859.50
16	AR se(ele)p.r/578/21-22 dt 30.10.21	supply and fixing of 220 Volts 50 HZ 32"Slim design , 4K Ultra HD LED FHD Television Make:Panasonic/TCL/LG/Samsung	Each	1	31360.00	31360.00
17	AR se(ele)p.r/578/21-22 dt 30.10.21	Annual maintenance / Serviceing of IP Network 2 MP/4MP/6MP Bullet or Dome Camera with replacement of BNC/DC Pins Make : Hikvision/CP Plus	Each	48	1850.00	88800.00

	AR se(ele)p.r/5 78/21-22 dt 30.10.21	Annual maintenance / Serviceing of 4 /8 /16 Channel DVR	Each	3	4800.00	14400.00
19	AR se(ele)p.r/5 78/21-22 dt 30.10.21	Annual maintenance / Serviceing of NVR 4 Channel/8 Channel/16 Channel	Each	3	5300.00	15900.00
20	AR se(ele)p.r/5 78/21-22 dt 30.10.21	Annual maintenance / Serviceing of Hard Disk Surveillance 1 TB/2 TB/4 TB - Seagate/WD	Each	3	3600.00	10800.00
21	AR se(ele)p.r/5 78/21-22 dt 30.10.21	Annual maintenance / Serviceing / replacement of Power Supply for Power Supply for Camera 8 Amps/12V	Each	48	1850.00	88800.00
22	AR se(ele)p.r/5 78/21-22 dt 30.10.21	Annual maintenance / Serviceing of 4 /8 /16/24 port POE Switch 10/100/1000 MBPS – Make :Tplink/Dlink/Secure eye	Each	3	2250.00	6750.00
		Total Rs				**679429.00**
		GST Charges (12% on SR Electrical items)	170280			20433.60
		Total Rs				137.40
						700000.00

CERTIFICATE

1. The Place was inspected and work is essential.
2. The Provision made in the estimate is adequate and are necessary.
3. The Work comes in the BBMP limit and is legitimate charges on the Corporation Funds.
4. The rates in the Estimate is based on PWD(Elec)& approved Rates

Asst. Engineer (Elec)

Asst. Exe.Engineer (Elec)
Sub-Division No.
Bruhat Bangalore Mahanagara Palike

EXECUTIVE ENGINEER (ELEC)
YALAHANKA DIVISION
BRUHAT BANGALORE MAHANAGARA PALIKE

Administrative Sanction for Rs. 7.00 lakhs
Rupees Seven Lakh only
is accorded in
Regd. 34/2021-22 Subject
to ...
No. BBMP/EE/Ele/42/AS/34/2021-22
Dt 07/08/2022

Executive Engineer

TECHNICALLY SANCTIONED FOR Rs. 7.00 lakhs
Rupees Seven Lakh only
Under
Registered as ... 18/2021-22 ... 9 9
Subject ... BBMP/EE/Ele/42/AS/24/2022
enclosed ... Dt 07/03/2022
... Sanctioned
BBMP/EE/Ele/42/TS/18/21-22
Dated 07/03/2022 Rs. 7.00 lakhs

Executive Engineer